(P)

320

Web Images Videox Maox News Shopping Gmail more \*

Scholar Preferences | Sign m

| Google | scholar |
|--------|---------|
|--------|---------|

junicast translate multicast

Search

۳

Advanced Scholar Search

Scholar | Articles and patents

💌 anytime

linclude citations

Create email alog Results 1 - 10

Method and system for a unicast endpoint client to access a multicast internet protocol (IP)

OH Shur ... - US Patent 8,259,701, 2001 - Google Patents

... Page 3, US Patent US 6,259,701 Bl Jul. 10,2001 Sheet 2 of 7 FIG. 2 201 MULTICAST-UNICAST SERVER 202 204 MULTI-UNICAST ADDRESS TRANSLATION AND PACKET FORWARDING TO MULICAST NETWORK FIG. 3 Page 4, US Patent US 6,259,701 Bi Jul ...

Ched by 98 - Related articles - ARZ versions

# Method for a unicast endpoint client to access a multicast internet protocol (IP) session and to serve as a redistributor of such session

SH Nureribero, OH Shur... - US Palent 8,181,897, 2001 - Goodle Patents ... US Patent Jan.30,2001 US 6,181,697 Bi Sheet 2 of 5 Fig. 2 1 201 MULTICAST-UNICAST SERVER 203 202 MULTI-UNICAST ADDRESS TRANSLATION AND PACKET FORWARDING TO MULICAST NETWORK 4 FIG. 3 301 304 x4 303-305-BROWSER 4-302 \* "4 LAUNCH . ...

Cities by 56 - Postated arectes - All 2 yergions

## Optimal partition of QoS requirements on unicast paths and multicast trees

DH Lerenz... - IEEE/ACM Transactions on Networking (TON), 2002 - pertal acm org  $_{\sim}$  QoS routing, is briefly discussed in Section V. For clarity, we detail here only the framework for unicast connections. ... However, such a translation cannot be applied in general, eg, due to complications created by topology aggregation and ... 1This is also true for any multicast free. ...

Cated by 75 - Recated articles - 8t Direct - All 5 versions

#### Optimal partition of QoS requirements on unicast paths and multicast trees

Applied Joint Conference of the IEEE . . . 1999 - leveloptore level org ... discussed in Section V. For clarity, we detail here only the framework for unicast connections The definitions and terminology for multicast trees are similar and are presented, together with the ... In some cases, such mechanisms may allow to translate a de- lay requirement on a ... Cred by 43 - Related articles - Bt. Direct - Att 20 versions

Multicast and unicast internet protocol content distribution having a feedback mechanism for real-

time and store and forward information transfer

St. McNeill ... - US Patent 6,421,705, 2002 - Google Patents

... 7 Page 16, US 6,421,706 BI MULTICAST AND UNICAST INTERNET PROTOCOL CONTENT ... Embodi- ments of the invention translate the conference data into an appropriate number of formals for the various computing systems of the remote conference participants 📖

Otted by 42 - Relieted utilities - All 2 versions

Arbitration mechanism for a multicast logic engine of a switching fabric circuit

G Hamman... - US Patent 5,898,687, 1999 - Google Patents

... switch is an asynchronous transfer mode (ATM) switch configured to receive both unicast and multicast ATM  $\dots$  The remaining header information is 20 processed by an input translation function that generates (i) a key indicating whether the cell requires multicast replication, (ii ...

Otted by 176 - Religited artistss - Att 2 versions

Efficient multicast mapping in a network switch

MN Ganmukni, OJ White ... - US Palent 5,903,564, 1999 - Google Patents

... One advantage associated with the present invention is the facilitation of promoting a unicast connection to a multicast connection. When address translation entries associated with connections are required to be contiguous, the total number of ports which may be associated ...

Cited by 43 - Related articles - Ali 2 versions

# Remapping of ATM cells for multicast transmission

-3/24/2011

Web Inages Videos Maps News Shopping Gmail more 🔻

Scholar Preferences | Sign in





Advances (Setuate Season

# Method and system for a unicast endpoint client to access a multicast internet protocol (IP)

 US Patent 6,259,701, 2001 - Google Patents. DH Shur

... The 40 MUS then receives and sends data on those groups within a session selected by client on behalf of the client. Thus, the MUS functions to convert the address of the Multicast IP packets of a requested-for group to the Unicast IP endpoint address of the requesting client. ...

Cited by 98 - Existed articles - All 2 versions

# Multicast and unicast real-time video streaming over wireless LANs

... A MDFEC MDFEC is a transcoding mechanism to convert a prioritized multiresolution bitstream (see Fig. ... Page 6, MAJUMDAR et al. MULTICAST AND UNICAST REAL TIME VIOÉO STREAMING OVER WIRELESS LANS 529 Fig. ...

Cited by 106 - Related articles - Bt. Direct - All 8 versions

# Method for a unicast endpoint client to access a multicast internet protocol (IP) session and to serve as a redistributor of such session

SH Nurenberg, OH Shur... - US Palent 6.181,697, 2001 - Google Patents

... The MUS then receives and sends data on those groups within a session selected by client on behalf of the client. Thus, the MUS functions to convert the address of the Multicast IP packets of a requested-for group to the Unicast IP endpoint address of the requesting client ...

Citied by 50 - Refeted seticles - All II varieons

# ....-hop all-optical label swapping with variable length 80 Gb/s packets and 10 Gb/s labels using nonlinear fiber wavelength converters, unicast/multicast output and a ...

 $_{\odot}$  A 1:8 interleaved multiplexer is used to up-convert the packets to XOGbis,  $_{\odot}$  The 1.0 and 1 , 5  $_{\odot}$   $_{\odot}$ packets are converted to 1543nm and the 1.2 and 1.5 p packets are converted to 15481" Therefore the 1.5 microsecond packet can be either unicast or multicast while the other ...

Card by 35 - Retailed articles - At II versions

# Method and system for communicating multimedia content in a unicast, multicast, simulcast or broadcast environment

RJ Brachman, PF Deesser, ES Crandalt. . - US Patent . . . 2004 - Google Patents

... ADDITIONAL BANDWIDTH TO UNICAST/MULTICAST/SIMULCAST UNITE USER WITH EXISTING UNICAST/MULTICAST/SIMULCAST L... 205 -210 NO ^220 215 / CREATE UNICAST ^225 230 240 YES, UNITE CELLS TO FORM SUPER-CELL 250 CONVERT TO RF ...

Orted by 26 - Related articles - All 2 versions

#### Method and system for a unicast endpoint client to access a multicast infernet protocol (ip) session OH Shor... - EP Patent 0,902,589, 2004 - trespatentsonhile com

... Unicast IP addresses. Provision is made in the firewall/proxy to limit access by the hosts to MBone Multicasts by using a number of security provisions, and to convert

Multicast addresses to the Unicast addresses of approved hosts....

Clied by 7 - Related articles - Cached

## An optimized **multicast**-based data dissemination middleware: A demonstration

W.E. W.Zhang, V.Etharatore... - Data Engineering, ... 2003 - leeexplore leee.org

... If the ADU is cold, the requested ADU is returned on the unicast- pull connection. ... The objective of such gateway is to convert multicast flows from one protocol to another so that clients listening to different multicast chan- riels can communicate with each other. ...

Cand by 11 - Related articles - St. Offert - All 10 versions

100

880

Scholar Preferences | Sign in Web Images Videos Maps News Shopping Great more 🔻 GOOGIC SCHOIAT (unicast conversion multicast Advenced Scholar Search Search \* anytime Scholar | Articles and patients \* include citations Create email alenResults 1 - 10 \* 160 Gb/s variable length packet/10 Gb/s-label all-optical label switching with wavelength conversion and unicast/multicast operation Abstract—We report on the first demonstration of all-optical label switching (AOLS) with 160 Gb/s variable length packets and 10 Gb/s optical labels. This result demonstrates the transparency of AOLS techniques from previously demonstrated 2.5 Gb/s to this 160 Gb/s ... Crediby 28 - Related articles - All 7 versions — switching/swapping of 160 Gbps variable length packets and 10 Gbps labels using a WDM Raman enhanced XPM fiber wavelength converter with unicast/multicast .... W Wang, E. Rau. . - Optical Fiber Communication. .... 2004 - optics infobase org Abstract: We report the first demonstration of all-optical label switching of variable-length 160 Obes packets and swapping of 10 Gbps optical labels with real time switching and unicast/multicast operation using a WOM Raman enhanced all-optical fiber cross-phase modulation ... Clied by 13 - Related acticles - A9 7 vecsions ....-hop all-optical label swapping with variable length 80 Gb/s packets and 10 Gb/s labels using nonlinear fiber wavelength converters, unicast/multicast output and a ... ... architectures. Both unicast and multicast operation are demonstrated. BER ... hop. The second hop power penalty is only due to non-optimal filtering at the wavelength converter output and can be improved in future experiments. ... Cited by 20 - Related anticles - All 2 vensions [CITATION] Comparison of unicast/multicast optical packet switching architectures using wavelength conversion V Eramo ... - Opt. Netw. Mag. 2002. Cited by 14 - Palated articles. 120 Multicast and unicast real-time video streaming over wireless LANs A Majureda, DG Sachs, IV Kozinisev... - ... and Systems for ..., 2002 - leasystore lives org ... Page 6. MAJUMDAR et al.: **MULTICAST** AND **UNICAST** REAL-TIME VIDEO STRÉAMING OVER WIRELESS LANS 529 Fig. 6. Conversion of the prioritized scalable bitstream into an unprioritized one through unequal channel codes. ... (Dited by 166 - Related articles - 8t. Direct - All 8 verslighs Light trees: optical **multicasting** for improved performance in wavelength rouled networks UH Sahaarabaddhe . - Communicationa Magazine . . . 1939 - leaexplore liees.org ... The splitter bank may be enhanced to provide optical signal amplification, wavelength conversion, and signal regeneration for "multicast" as well as "unicast" sig hals. For example, in Fig. 4 wavelength 1, is a unicast signal, and is a multicast signal. ... Cate 5 by 433 - Related articles - 81, Oirect - A8 4 versions 100 (POF) Next-Generation Mobile-Access IP Network

v. Hirayama, H Shibata, H (nouch), . - Hilachi Review, 2000 - htach-com

... private address. This conversion can be implemented by additionally installing the multicast-to-unicast conversion feature on a NAT gateway to convert IPv4 multicast addresses into IPv4 private addresses. Moreover, in combination ...

Credity 19 - Related adviss - All 5 yearsons

Constrained multicast routing in VVDM networks with sparse light splitting X Zhang, IN Well - Lightwave Technology, Journal of, 2000 - lenexplore lene and ... 1(b) (IP multicast via WDM unicast) ... Simulation is described and performance results are presented PO

90

| Web images Vistage Mage News Shopping Great rests * Scholar Preferences I San in   |  |  |                               |                                   |  |
|--|--|--|-------------------------------|-----------------------------------|--|
| Google scholar p   | ilcast adapt multica   | st   | Search                        | Adversed Scholer, Bracch          |  |
| Scholar Articles and palents   |  | include citations  |                               | Cresis small alort Results 1 - 10 |  |
| Method and system for a unical session OH Stern - US Patent 6,259,701, 20 cast client. The Unicast client is the both a sender and a receiver of packrivitich are active during the session. F Cited by 98 - Palacot articles - All 2 y  | r01 - Google Patent<br>en able to participal<br>ets to and from othe<br>Further, the <b>Unicas</b> t   | s<br>le in the <b>Multicast</b> sessio<br>r <b>Unicast</b> and <b>Multicast</b>  | n as                          | et protocol (IP)                  |  |
| Method and system for multical Michael Michael Michael Michael Michael Called Michael Called Michael Called Michael Called Michael Called Michael Mich | DI 187, 2000 - Goog<br>rents conflicts betwo<br>t cells from the swit<br>w cells processed b   | gle Patents<br>sen a flow of cells to be m<br>ch fabric. The <b>multicast</b> (  | uiticasted s<br>table offers  |                                   |  |
| ATM cell multicasting method<br>A Appar, J Calegner, D Greath, D Ris<br>pointers to the queues dedicated to<br>processes are also the same for to th<br>unicast and multicast cells, «c struc  | gat US Patent<br>) the outout ports at<br>e <b>adapter</b> 120. A cr<br>ture 202, resides in   | tached The enqueue and<br>ell buffer, preferably a sixt  | ly-four byte                  |                                   |  |
| Criticis by 82 - Rosalica principal - AR.2 y   | sindonis<br>-  |  |                               |                                   |  |
| An architecture for wide-area not bearing D Estrin. D Farinacci — F — adapt to different multicast group on a specific unicast routing pro- too to under-lying network conditions and Cand by 502 - Balated anticles - Bt. D   | Proceedings of the and network characol; and (d) uses soft digroup dynamics.   | 1934 - pensilaom.org<br>cferis- tics; (c) is not depe<br>t-stata mechanisms to ad<br>                                  |                               | [PC                               |  |
| The PIM architecture for wide-6 5 Deening, Ot. Estrin, O Farinaco  | /ACM Transaction //ACM Transac | one on 1996 - portatia<br>rely on existing <b>unicast</b> ro<br>independent of the partici<br>protocol make use of the | outing functi<br>ular protoco |                                   |  |
| Inferring link loss using stoped<br>NG Definid, I. Presti, V Paxson<br>B. Contribution in this paper we ad   | . 2001. Twentein A   |  |                               | <u>(21</u>                        |  |

... B. Contribution In this paper we adapt the multicast inference techniques pro- posed in [2] to perform inference of internal network character- islics from unicast end-to-end measurements. The data for the inference comprises ...

Cred by 167 - Related arock \$ - 8t, Direct - All 21 versions

Multicasting protocols for high-speed, wormhole-routing local area networks

M Geria, P Palpati ... - Conference proceedings on ..., 1996 - portal acreorg

... several fea- tures in the crossbar switch that go beyond the basic re- quirements for **unicast** worm handling ... That is, the host **adapter**, upon receiving the multi- cast worm, copies it to its local host and at the same time retransmits if to one or more hosts in the same **multicast** group. ...

Clied by 42 - Relating entities - Literary Search - BL Direct - Ali 20 versions

Method and apparatus for on demand multicast and unicast using controlled flood multicast communications

YJ Liu, UJ Visvadar . - US Patent 7.184,421, 2007 - Google Patents

Scholar Praferances | Sign in Web Images Videos Maps News Shopping Gmail more 🔻 Google scholar (unicast transform multicast Automové Sobolai Search Search Scholar | Articles and patents <u>Create email aleri</u>Results 1 - 10 \* anytime \* include citations 120 (PDF) The group domain of interpretation M Baugher, T Hardjono, H Hamey ... - Work in Progress, 2002 - left.org ... Category-3 SA Initial Setup (unicast) (Pull) (Puch) ... 30 SA Payload Usage Examples • A multicast application could include SA\_KEK and SA\_TEKs in the pull and ... DOI = 1, NP=Nonce Proposal Payload, NP=Proposal Transform Payload, NP=Transform Transform Payload, NP=0 ... Checkby 112 - Related edicks - Verwias HTML - All 5 versions (90) Construction of an efficient overlay multicast infrastructure for real-time applications Si Barranjea, C. Kommareddy, K. Kar. - . . . Joint Conference of . . . 2003 - seeexplore.ises.org  $\ldots$  Consider a multicast application in which the source injects traffic at the rate of 8 units per second.  $\ldots$ If the transformation is performed, and Lk.) and Lk.) denotes the same prior to the transformation. Each MSN maintains unicast latency estimates of all its neighbors on the tree,  $\dots$ Clard by 370 - Peliated entities - St. Deed - Alt 36 versions RMX: Reliable multicast for heterogeneous networks mo 7 Chawaike, S McCanne. 🕝 ... 2000. Nineteerth Annual .... 2000 - ineexplore isses org ... Each link into the RMX has an associated link agent that implements the specific details of the (unicast or multicast) reliability pro- tocal ... The asmod relies on specialized transformation engines to postentially convert the data into a different representation before forwarding it.... Coad by 225 - Related prodex - BL Direct - All Sk versions Optimization-based congestion control for multicast communications PDJ Shapiro, D Toweley ... - NETWOFKING 2002: Networking .... 2006 - Springer ... We feel that this is a natural absumption in the case of single-rate multicast. The second requirement is that both sender- and receiver-oriented utility functions should reduce to the same standard unicast utility function up to a linear transformation when R = 1. These two  $\omega$ Class by 37 - Related articles - Bt. Direct - All 23 versions Multicasting: Will it transform the Internet? G Lawton - Computer 1998 - resexplore lessuors ... intranets. And proponents say a could radically transform the network. ... nology. However, Almeroth said, the multicast approach would be far more bandwidth-efficient than the unicast model used by such push vendors as PointCast. Meanwhile ... Citad by 6 - Related articles - All 3 yersiges (POF) Optimal time slot assignment algorithm for combined unicast and multicast packets (PD HS Lee, UG Joo. HH Lee . - ETRI journal, 2002 - etilj ete redk ... N for input port I and output port/ is at least \*jt/j+m and least for all the unicast traffic \*2j ... Step 2. Transform, if necessary, the given traffic matrix A into A' so as to be 1-complete with respect to B ... find A' as A'=A'- where L = max (row sum, column sum for U' part, 2>/r multicast ports for ... Ottod by 7 - Related aractes - ISL Direct - At 5 versions PO Security issues and solutions in multicast content distribution: A survey

... These efforts have continued to transform multicast into a technology that can be relied on by ... Security Issues and Solutions These properties of multicast lead to security issues and volumerabilities because ... issues are multi- cast-specific or the issues also exist in unicast, but the ... Cled by 122 - Beliated articles - Bt. Direct - AB 12 yearsons

On Unicast based Recovery for Multicast Content Distribution considering XOR-FEC Clears. T Hasegawa ... ... 2005 Asia-Pacific ... 2005 - resexplore lees org ... In particular LT (Luby Transform) codes are effective in a heterogeneous multicast environment ... time can be restricted due to operational reasons considering multicast resource efficiency ... download completion under such conditions, we newly designed a unicast based recovery ...

P Judge. . - Network, IEEE, 2003 - resexplore rese org